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CONTROL NO: 11349

FILE: _____

FROM: Carolina Power & Light Co. Raleigh, N.C.			DATE OF DOC 11-1-74	DATE REC'D 11-5-74	LTR xxxxx	TWX	RPT	OTHER
TO: E. E. Utley Mr. Edson G. Case			ORIG 1-signed	CC	OTHER	SENT AEC PDR xxxxxxxxxx SENT LOCAL PDR xxxxxxxxxx		
CLASS	UNCLASS xxxxxxx	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-261		

DESCRIPTION:

Ltr Reporting an unusual event concerning a preliminary stress analysis of the pressurizer safety and relief line for the H.B. Robinson Unit No. 2 Plant.....

PLANT NAME: H.B. Robinson # 2

ENCLOSURES:

ACKNOWLEDGED

DO NOT REMOVE

FOR ACTION/INFORMATION 11-7-74 JG B

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*SENT to Lic Asst.
TEETS*

MD PR



Carolina Power & Light Company

November 1, 1974

File: NG-3513 and NG-3514 (R)

Serial: NG-74-1243

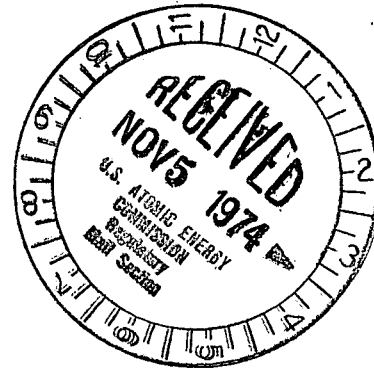
Mr. Edson G. Case, Acting Director
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

51-261

Regulatory

File Cy.

Mr. Norman C. Moseley, Director
Directorate of Regulatory Operations
U. S. Atomic Energy Commission
Region II, Suite 818
230 Peachtree Street, N.W.
Atlanta, Georgia 30303



Dear Sirs:

H. B. ROBINSON UNIT NO. 2

LICENSE NO. DPR-23

PRESSURIZER SAFETY AND RELIEF LINE COMBINED STRESS ANALYSIS

In our letter of May 9, 1974, Carolina Power & Light Company reported an unusual event concerning a preliminary stress analysis of the pressurizer safety and relief line for the H. B. Robinson Unit No. 2 Plant. The analysis was performed by Westinghouse Electric Corporation based on "Criteria and Guidelines for the Design of Safety and Relief Valve Installation on Westinghouse Pressurized Water Reactor Plants" dated October, 1972, and revealed that an additional pipe support would be required to reduce combined stresses below the USAS B31.1 Code allowable stress. In our letter of May 9, 1974, we also indicated that additional information would be forwarded to you pending design and installation of the new support, which is the purpose of this letter.

An additional piping support was installed in June, 1974. The support has two adjustable hydraulic cylinders (Basic Engineers Model BE 411) which are rated for 7000 pounds thrust load, or 14,000 pounds total. The assembly is installed with one cylinder on each side of the 12" line with the centerline of the cylinders parallel to the centerline of the 12" line.

The support assembly is attached on one end to the operating floor in the pressurizer cubicle with the other end attached to the 12" line 42" above the floor.

Mr. Case and Mr. Moseley

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November 1, 1974

A final stress analysis was performed by Westinghouse with the stiffness values for the new support included. The final analysis demonstrates that the system now meets the requirements of USAS B31.1 Power Piping Code when considering all combined loads under simultaneous action of the safety valves.

Yours very truly,



E. E. Utley
Vice-President
Bulk Power Supply

JMB:mvp

cc: Messrs. N. B. Bessac
T. E. Bowman
W. B. Howell
J. B. McGirt
D. W. Menscer
D. B. Waters